

CitySurfer™

Sectra DRT-4000



Sectra DRT-4000 is an advanced mobile information terminal based on the DARC technology. Its pocket size makes it very easy at hand. It has a powerful graphical user interface, easily controlled by a micro joystick and two push buttons. The constant connection to wireless services through the Synchronous DARC protocol ensures real-time updating of the information. Sectra DRT-4000 has a serial interface for synchronization

with a PC and acts as a wireless modem. The FM audio is available in a standard headphone jack. It has a built-in antenna and is powered with rechargeable battery.

Sectra DRT-4000 is an open platform using standard protocols. New applications and information services can easily be plugged in.

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Technical specifications

Operational Characteristics

- DARC protocol and Synchronous DARC protocol
- Frame types: A0, A1, B and C
- Use of SOS protocol for host computer connection.
- 16 Kbit/s raw data rate

Radio Characteristics

- Sensitivity: 45 dB μ V/m at 5.5 kHz DARC deviation (5% BER before error correction)
- Frequency range: 87.5-108 MHz in steps of 50 kHz
- Automatic or manual scanning

Power

- 1 R6/AA-size battery: 1.5 V cell, or 1.2 V NiMH rechargeable cell.
- Charging input voltage: 3.1 V
- 1 week battery life with a typical synchronous service
- Power consumption: Typically 2-10 mW average consumption in synchronous mode. (100 mW in asynchronous mode; 200 mW peak with display active)

Physical Dimensions

- Size: 105 * 65 * 19 mm
- Weight: 140 g
- Temperature: +0 to +50 °C

Connectors

- Headphone connector: Standard 3.5 mm jack.
- External connector: Elco 58-9157-015-000-001S, I/O connector with coaxial connector
- Temperature: +0 to +50 °C

Memory Capacity

- RAM: 512 Kbytes (more RAM on demand)
- Flash: 1024 Kbytes (more Flash on demand)

User Interfaces

- Full graphical LCD, 240 * 160 pixels with 4 grayscales and backlight. (Up to 20 lines with 40 characters)
- 2 push buttons and 1 micro joystick.
- Buzzer with different melodies, or simple alert signals.

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